

# **ARCH5605/4601.....Fall 2007**

MaryAlice Torres-MacDonald, Assoc. Prof.

Advanced Design Studio  
Urban Design Studio

## **COURSE SYLLABUS**

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Course Website: <http://www.arch.ttu.edu/courses/2007/fall/5605/>

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Office Hours: Monday, via internet 5-7pm

Available also by appointment

### **CATALOGUE DESCRIPTION**

**ARCH5605**

Advanced Architectural Design Studio (6:0:12). *Synthesis of human and environmental interaction. Comprehensive architectural design of complex building types involving integration of cultural factors, programming, conceptual issues, construction technology and cost estimation.*

### **COURSE DESCRIPTION**

**ARCH5605**

This studio course focuses on advanced architectural design practices. The course is held in Houston as part of the Houston Practicum + Studio Program and allows the student to gain work experience while taking a studio course. This studio involves the student in the complexity of advanced design issues that relate to building design, cultural influences, environmental scope and holistic approaches to the design solution. The building project(s) will integrate urban context issues and reflect a more advanced level of understanding and inquiry. The interface between culture and architecture is critical in this studio. Reading and discussion on advanced architectural design issues is required. In addition to in studio discussions with instructor, professionals within the field will also be invited to engage the students. The studio learning environment is active and interactive.

### **CATALOGUE DESCRIPTION**

**ARCH4601**

Urban Design Studio (6:0:12). *Prerequisite: ARCH4381 or consent of instructor. Explores the interface between culture and architecture at the scale of the city in terms of theory and design.*

### **COURSE DESCRIPTION**

**ARCH4601**

This studio course focuses on urban design as it relates to architecture. The course is held in Houston as part of the Houston Practicum + Studio Program and allows the student to gain work experience while taking a studio course. This studio involves the student in the theory of city form by taking a particular project and focusing on the problem statement within the context of the urban environment. The interface between culture and architecture is critical in this studio. Reading and discussion on urban design issues is required. In addition to in studio discussions with instructor, professionals within the field will also be invited to engage the students. The studio learning environment is active and interactive.

### **COURSE ORGANIZATION**

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WEDNESDAY: 6:00 PM – 9:00 PM (via internet)

FRIDAY: 9:00 AM – 6:00 PM

LOCATION: Wilson Architectural Group  
5051 Westheimer, Suite 1800  
Houston, TX 77056

Wednesday night class is from 6:00 – 9:00PM. The students will meet at the host firm or alternate site and the professor will review progress work posted by 8:00PM each Wednesday. Occasional meetings in studio will be required.

Friday class is from 9:00am – 6:00pm. The students and professor will meet at the host firm. Make a note of the studio address. On the first day of class, you will be given instructions for ongoing access to the studio.

#### STUDIO WEBSITE - WEB POSTING:

<http://www.arch.ttu.edu/courses/2007/fall/5605/>

On the website, there will be access to your student folder. You will have a folder with your name. Click the Front Page icon in Internet Explorer, enter your credentials, and start editing the page. If you need directions for posting, go to the website and open the document "How to Post in FrontPage".

### **PEDAGOGIC OBJECTIVES**

- To become familiar with the range of attributes entailed in achieving high-quality architecture /urban design: built form, public space, path and place, access systems, social activity, socio-economic and cultural influences.
- To become familiar with instrumental professional process of architecture / urban design;
- To learn the nature, strength and relevance of these and to seek to relate behavioral and organizational outcomes to them;
- To improve abilities for working with digital and analog (hand-drawn) graphics, modeling, and professional writing in a timely, lucid and publishable form.

### **NAAB CRITERIA**

### **ARCH4601**

<b>Educational Objective:</b>	<b>Criteria</b>
<i>Ability to raise clear and precise questions, use abstract ideas to interpret information, consider diverse points of view, reach well-reasoned conclusions and test them against relevant criteria and standards.</i>	<b>#2. Critical Thinking Skills</b>
<i>Ability to use appropriate representational media, including freehand drawing and computer technology, to convey essential formal elements at each stage of the programming and design process</i>	<b>#3. Graphics Skills</b>
<i>Ability to recognize the varied talent found in interdisciplinary design project teams in professional practice and work in collaboration with other students as members of a design team</i>	<b>#4. Research Skills</b>
<i>Understanding of the fundamentals of visual perception and the principles and systems or order that inform two- and three-dimensional design, architectural composition, and urban design</i>	<b>#5. Formal Ordering Systems</b>
<i>Ability to recognize the varied talent found in interdisciplinary design project teams in professional practice; and work in collaboration with other students as members</i>	<b>#7. Collaborative Skills</b>

<i>of a design team.</i>	
<i>Understanding Western architectural canons and traditions in architecture, landscape and urban design, as well as climatic, technological, socioeconomic and other cultural factors that have shaped and sustained them.</i>	<i>#8. Western Traditions</i>
<i>Understanding National traditions and the local regional heritage in architecture, landscape and urban design, including vernacular tradition.</i>	<i>#10. National and Regional Traditions</i>
<i>Ability to incorporate relevant precedents into architecture and urban design</i>	<i>#11. Use of Precedents</i>
<i>Understanding theories and methods of inquiry that seek to clarify the relationship between human behavior and the physical environment.</i>	<i>#12 Human Behavior</i>
<i>Understanding diverse needs, values, behavioral norms, physical ability, and social and spatial patterns that characterize different cultures and individuals and the implication of this diversity for the societal roles and responsibilities of architects.</i>	<i>#13 Human Diversity</i>
<i>Ability to prepare a comprehensive program for an architecture project, including assessment of client and user needs, a critical review of appropriate precedents, an inventory of space and equipment requirements, an analysis of site conditions, a review of the relevant laws and standards and assessment of their implication for the project, and a definition of site selection and design assessment criteria.</i>	<i>#16 Program Preparation</i>
<i>Ability to respond to natural and built site characteristics in development of a program and design of a project.</i>	<i>#17 Site Conditions</i>
<i>Understanding responsibility of the architect to elicit, understand and resolve the needs of the client, owner and user.</i>	<i>#27 Client Role in Architecture</i>
<i>Understanding the need for architects to provide leadership in the building design and construction process and on issues of growth, development and aesthetics in their communities.</i>	<i>#32 Leadership</i>
<i>Understanding ethical issues involved in the formation of professional judgment in architecture design and practice.</i>	<i>#34 Ethics and Professional Judgement</i>

ARCH 5605

Educational Objective:	Criteria
<i>Ability to recognize the varied talent found in interdisciplinary design project teams in professional practice and work in collaboration with other students as members of a design team</i>	#7. Collaborative Skills
<i>Understanding Responsibility of the Architect to illicit, understand and resolve the needs of the client, owner and user</i>	#27. Client Role in Architecture
<i>Understanding The need for architects to provide leadership in the building design and construction process and on issues of growth, development and aesthetics in their community</i>	#32. Leadership

According to the 2004 NAAB Conditions for Accreditation the two levels of accomplishment are defined as follows:

- **Understanding**—means the assimilation and comprehension of information without necessarily being able to see its full implication.
- **Ability**—means the skill in using specific information to accomplish a task, incorrectly selecting the appropriate information, and in applying it to the solution of a specific problem.

## **ABSENCES**

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**Attendance Policy:** The College of Architecture follows the class attendance policy set out in the Undergraduate \* Graduate Catalog, 2007-2008 (see below). In ARCH 5605/4601, excessive absences are considered to be four absences. Attendance is required at all group, section and individual sessions including field trips. After three absences, (1) letter grade will be deducted from a student's final grade for each subsequent absence. Please make every effort to attend all classes and field trips. It is **your** responsibility.

<http://www.depts.ttu.edu/officialpublications/catalog/AcademicsRegulations.html>

Class Attendance. Responsibility for class attendance rests with the student. Instructors set an attendance policy for each course they teach. The university expects regular and punctual attendance at all scheduled classes, and the university reserves the right to deal at any time with individual cases of nonattendance. Instructors should state clearly in their syllabi their policy regarding student absences and how absences affect grades. Excessive absences constitute cause for dropping a student from class.

In the event of excessive absences, the student must visit the instructor to discuss his or her status in the course. If the drop occurs before the 45th class day of the long semester or the 15th class day of the summer term, the instructor will assign a grade of W (see sections on dropping a course and on withdrawal). If the drop occurs after that time period, the student will receive a grade of F. This drop can be initiated by the instructor but must be formally executed by the academic dean. In extreme cases the academic dean may suspend the student from the university.

Department chairpersons, directors, or others responsible for a student representing the university on officially approved trips should notify the student's instructors of the departure and return schedules in advance of the trip. The instructor so notified must not penalize the student, although the student is responsible for material missed. Students absent because of university business must be given the same privileges as other students (e.g., if other students are given the choice of dropping one of four tests, then students with excused absences must be given the same privilege).

**Reporting Illness.** In case of an illness that will require absence from class for more than one week, the student should notify his or her academic dean. The dean's office will inform the student's instructors through the departmental office. In case of class absences because of a brief illness, the student should inform the instructor directly. Other information related to illness is found in the Student Handbook and the Residence Halls Handbook.

**Absence Due to Religious Observance.** A student may be excused from attending classes or other required activities, including examinations, for the observance of a religious holy day, including travel for that purpose. A student whose absence is excused for this purpose may not be penalized for that absence and shall be allowed to take an examination or complete an assignment from which the student is excused.

**Absence Due to Officially Approved Trips – The Texas Tech University Catalog** states that the person responsible for a student missing class due to a trip should notify the instructor of the departure and return schedule in advance of the trip. The student may not be penalized and is responsible for the material missed.

## **PROJECT REQUIREMENTS**

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Requirements of the design projects are mandatory. Any deviations or omissions from the program will be reflected in the evaluation and grade. Requirements of the design program will be announced by the studio professor. Please see Grading Criteria section.

*NOTE: WHERE APPLICABLE, THE INTERNATIONAL BUILDING CODE WILL BE USED FOR ALL PROJECTS.*

## **GRADING CRITERIA**

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Graduate level work requires an expectation of an advanced level of inquiry. There are some key things I look for in your work:

- Comprehensiveness:
  - Work Completion as required.
  - Solution Development.
  - Social Benefit. Part of the mission statement of the college addresses the fact that we work to benefit society. Your solution should reflect this. The work you produce should not be focused on you, but on a solution that will enrich the life of the city.
- Presentation:
  - Quality and Professionalism.
  - Clarity.
  - Verbal presentation skills.
- Team Work:
  - Contribution.
  - Participation.
  - Development of Ideas.
- Participation:
  - Student completes reading assignments by due date.
  - Student participates actively in discussions.
  - Student is an active listener and allows others to contribute to the discussion.
  - Student engages other students in discussions.
  - Student participates in the discussions of other students work during reviews and class time.
  - Student shows respect to other students by listening to presentations (both class lectures and student review presentations).

The grades are determined as follows:

- A – Performs work beyond expectation and excels in all key areas of evaluation.
- B – Performs work above average and excels in most key areas of evaluation.
- C – Performs average level work and complies at an average level with key areas of evaluation.
- D – Does not perform to basic standards. Student does not reach basic level in key areas of evaluation.
- F – Student is producing unacceptable work that does not meet requirements of the course.

Grade of C or below may jeopardize student's academic standing

### **GRADING BREAKDOWN:**

The studio will be broken into three segments of grading as follows:

Research Period (15%) – Weeks 1-3

Primary Period (20%) – Weeks 4-7

Intermediate Period (20%)– Weeks 8-11

Final Project & Grading Period (35%) – Weeks 13-15 including Final Project

Participation (10%)

NOTE: Attendance can alter the outcome of this grade structure as noted under "Attendance" section of syllabus.

## **READING REFERENCES AND REQUIRED TEXTS**

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### **REQUIRED TEXT: (ARCH4601 Urban Design Studio ONLY)**

**"Public Place: Urban Space" by Matthew Carmona, Tim Heath, Taner Oc and Steve Tiesdel**

You can find this book on amazon.com for about \$28. You may find it on other sites, but this is the least expensive pricing I've found for this book.

Additional reading for the semester will be through a series of articles taken from a number of books and internet resources. You will be given access to the readings as pdf's through our website one week prior to discussion. You will be expected to participate in the discussion, as this will become a portion of your grade reflected in the participation section. If you are unable to download a reading or access a reading via the internet, it is your responsibility to get this reading from a classmate or from me via email. You must provide me with at least 48 hours notice prior to the start of class on the day in which the reading is due.

The following is a list of reading sources, but others will be added as the semester progresses. This is based on the needs of the studio as a whole, and I can better determine this as I get to know the students. The reading is intended to supplement your work in the studio in the area of urban design. While not all sources will be included in the readings, the list is intended to provide you with resources in the area of urban design

- *Anderson, Stanford, editor. On Streets. Cambridge, MA: MIT Press, 1986.*
- *Barnett, Jonathan. In The Elusive City. New York: Harper and Row Publishers, 1986.*
- *Bohl, Charles. Placemaking: Developing Town Centers, Main Streets and Urban Villages. Urban Land Institute, Washington D.C., 2002.*
- *Calthorpe, Peter and Fulton, William. The Regional City. Island Press, Washington, D.C., 2001.*
- *Cresswell, Tim. Place: A short introduction. Blackwell Publishing, Malden, MA., 2004.*
- *Hiss, Tony. The Experience of Place: A new way of looking at and dealing with our radically changing cities and countryside. Vintage Books, NY, NY, 1990.*
- *Jacobs, Jane. The Death and Life of Great American Cities. New York: Vintage Books, A Division of Random House, Inc., 1961.*
- *Leccese, Michael and McCormick, Kathleen, editors. Charter of the New Urbanism. McGraw Hill, NY, NY, 2000.*
- *Lynch, Kevin. In A Theory of Good City Form. Cambridge: MIT Press, 1984.*
- *Michelson, William. Man and His Urban Environment: A Sociological Approach. Addison Wesley Publishing*

*Company, Reading, MA., 1976.*

- *Seamon, David and Mugerauer, Robert, editors. Dwelling, Place and Environment: Towards a phenomenology of person and world. New York, Oxford: Columbia University Press, 1985.*
- *Rykwert, Joseph. The Seduction of Place: The History and Future of the City. New York: Vintage Books, A Division of Random House, Inc., 2000.*
- *Urban Design Associates. The Urban Design Handbook: Techniques and Working Methods. WW Norton & Company, NY, NY, 2003.*

## **PORTFOLIO DOCUMENTATION**

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Students should remember to document all work as needed for your professional portfolio. A portfolio is required of all scholarship applications as well. I will ask you to produce your work in an 11"x17" format for reviews, although you may consider 8 ½ x 11 inch format for posting to your folder as long as images are clear and easily read. You will be required to convert all files to pdf. This will allow for easy review and access to your work via the internet. All posting of work will be done in pdf format to the student's folder online.

## **IMPORTANT UNIVERSITY/STUDIO DATES**

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**August 27, Monday** – Classes begin at TTU

**August 29, Wednesday** – Studio begins in Houston – Meet at HOK, Williams Tower, 37t floor

**September 3, Monday** – Labor Day – University Holiday

**September 12, Wednesday** – Last day to drop on the web, receive refund or make full payment of tuition.

**September 21, Friday** – Research Grading Period Ends – Review of Work

**September 24, Monday** – Last day to withdraw from university and receive partial refund

**October 12, Friday** – Fall Break – No Classes

**October 19, Friday** – Primary Grading Period Ends – Review of Work

**October 30, Friday** – Last day to drop a course

**November 9, Friday** – Intermediate Grading Period Ends – Review of Work

**November 21 – 25** – Thanksgiving Holiday – No Classes

**November 30, Friday** – Final Review – Final Grading Period Ends

Complete Academic Calendar can be found at:

<http://www.depts.ttu.edu/officialpublications/calendar.html>

### **FINAL REVIEW:**

**Friday, November 30, 2007**

## **SUPPLIES NEEDED**

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- Laptop

You will need the ability to:

- Convert your files to pdf format
- Store large drawing files on your laptop, a separate portable hard drive, or memory key
- Scan some images to be used in presentations and for design development work

Also needed:

- Trace Paper (Butter Paper or White Trace Paper). Initial design work is to be completed through sketching & diagramming.
- Model Supplies  
You may be required to build a model during this semester, so materials for this are considered part of your studio requirement.
- Notebook / Sketchbook for notetaking and sketching on field trips
- A digital camera is useful, but not required. You may share images and you may use images you find

through other sources, but you MUST cite the source and respect copyright laws.

## **FIELD TRIPS**

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Field trips are a requirement of this course. They will always be held on a Friday so as not to interfere with your internship job. The idea is to maximize your learning while away from Lubbock. In addition, there is a great deal of information that is accessible to you via the internet so you will benefit greatly from having easy access to it.

## **STUDIO BEHAVIOR**

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Student is expected to comply with the student handbook for 2007 – 2008 at:

[http://www.depts.ttu.edu/studentaffairs/publications/SA\\_handbook\\_2007-2008.pdf](http://www.depts.ttu.edu/studentaffairs/publications/SA_handbook_2007-2008.pdf)

### **Studio Conduct:**

1. *Observe proper dress codes---casual and clean, no tee shirts, shoes- no flip-flops. Respect for the host firm's environment is required.*
2. *Do not loiter in employees work space –stay in your assigned area at all times.*
3. *Be punctual. If you are late call my cell phone. 20 minutes late constitutes a tardy. Three tardies constitute one absence.*
4. *Do not stay in the building beyond 9:00 PM (Wednesday) or 6:00 PM (Friday) unless you have prior authorization.*
5. *Keep the work-space clean at all times.*

## **ACADEMIC INTEGRITY**

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The Texas Tech University Catalog states, "It is the aim of the faculty of Texas Tech University to foster a spirit of complete honesty and high standard of integrity. The attempt of students to present as their own any work that they have not honestly performed is regarded by the faculty and administration as a serious offense and renders the offenders liable to serious consequences, possibly suspension." Texas Tech University has been and will continue to be strongly committed to high ethical standards for administration, faculty, staff and students.

As defined in the Student Affairs Handbook, a plagiarism violation includes, but is not limited to:

1. The use, by paraphrase or direct quotation, of the published or unpublished work of another person without full and clear acknowledgment:
2. The unacknowledged use of materials prepared by another person or agency engaged in the selling of term papers or other academic materials.
3. Sources of information must be acknowledged in an appropriate manner. Plagiarizing work (design, drawings, etc.) or submitting work which is not your own will result in an "F" grade for the semester. See Part IX, Section E of the Student Affairs Handbook.

## **STUDENTS WITH DISABILITIES**

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*Any student who because of a disability may require special arrangements in order to meet course requirements should contact the instructor as soon as possible to make any necessary accommodations. Student should present appropriate verification from AccessTECH. No requirement exists that accommodations be made prior to completion of this approved university procedure.*

## **OFFICE OF THE OMBUDSMAN**

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*The Office of the Ombudsman is available to assist students with any conflict or problem that has to do with being a student at Texas Tech University. You may visit the Ombudsman in 202 Student Union Building or call 806-742-4791.*

## **STUDENT ASSISTANCE**

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*Student Assistance in a variety of areas may be found at:*

<http://www.ttu.edu/current.php>